

What is claimed is:

1. A myoelectric-pattern classification method comprising using a group of surface electrodes on a skin surface to measure a myoelectric pattern that is an action potential generated by a coordinated action of a plurality of muscles, extracting a feature pattern from the measured myoelectric pattern, using redundant coding to encode the extracted feature pattern into a bit pattern, performing pattern classification on the encoded bit pattern and generating an output control signal.

2. A myoelectric-pattern classification apparatus comprising a group of surface electrodes that measures on a skin surface a myoelectric pattern that is an action potential generated by a coordinated action of a plurality of muscles, a feature-pattern extraction apparatus that extracts a feature pattern from the measured myoelectric pattern, an encoder that uses redundant coding to encode the extracted feature pattern into a bit pattern, and a pattern classifier that classifies the encoded bit pattern and generates an output control signal.

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